

FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: July 22, 1988

Date Submitted: June 11- June 16, 1988

Project: A-CF (Columbia Falls, Montana)

RESULTS OF ANALYSES OF ENVIRONMENTAL  
SAMPLES FOR TOTAL CYANIDE

<u>Sample #</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Cyanide (ppm)</u>
CF-SO-4	soil	June 11	<0.6
CF-SO-2	soil	June 11	<0.6
CF-SO-1	soil	June 11	<0.6
CF-OP-1	sludge	June 11	<0.6
CF-SW-5	water	June 13	<0.006
CF-SW-9	water	June 13	<0.006
CF-SW-2	water	June 13	0.060 ✓
CF-SW-8	water	June 13	0.019 ✓
CF-SE-2	water	June 13	<0.006
CF-SE-8	sediment	June 13	1.06
CF-SE-1	soil	June 13	<0.6
CF-SE-9	sediment	June 13	<0.6
CF-SE-4	sediment	June 13	<0.6
CF-SE-3	sediment	June 13	<0.6
CF-SE-5	sediment	June 13	<0.6
CF-SW-3	water	June 14	<0.006
CF-SW-6	water	June 14	<0.006
CF-SW-7	water	June 14	0.015 ~
CF-SE-7	soil	June 14	1.17 /

FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: July 22, 1988

Date Submitted: June 11- June 16, 1988

Project: A-CF (Columbia Falls, Montana)

RESULTS OF ANALYSES OF ENVIRONMENTAL  
SAMPLES FOR TOTAL CYANIDE

<u>Sample #</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Cyanide (ppm)</u>
CF-SE-6	soil	June 14	<0.6
CF-SO-1B	soil	June 14	<0.6
CF-TW-8	water	June 14	0.009
CF-PW-7	water	June 15	0.027
CF-TW-10	water	June 15	<0.006
CF-TW-2	water	June 15	0.080
CF-TW-11	water	June 15	<0.006
CF-TW-3	water	June 15	<0.006

Quality Assurance

Method Blank (water)	<0.006
Method Blank (soil)	<0.6
CF-SE-4 (Duplicate)	<0.6
CF-SW-3 (Duplicate)	<0.006
CF-TW-11 (Duplicate)	<0.006
CF-SE-3 (Duplicate)	<0.6

# FARR, FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: July 22, 1988

Date Submitted: June 11- June 16, 1988

Project: A-CF (Columbia Falls, Montana)

### RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR FLUORIDE

<u>Sample #</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Fluoride (ppm)</u>
CF-SO-4	soil	June 11	21.6
CF-SO-2	soil	June 11	91.7
CF-SO-1	soil	June 11	344
CF-OP-1	sludge	June 11	756
CF-SW-9	water	June 13	<0.1
CF-SW-2	water	June 13	4.44
CF-SW-8	water	June 13	0.95
CF-SE-2	water	June 13	24.5
CF-SE-8	sediment	June 13	4.47
CF-SE-1	soil	June 13	2.38
CF-SE-9	sediment	June 13	<1.05
CF-SE-4	sediment	June 13	1.89
CF-SW-5	water	June 13	<0.1
CF-SE-3	sediment	June 13	<1.1
CF-SW-3	water	June 13	<0.1
CF-SE-5	sediment	June 13	<1.2
CF-SW-6	water	June 14	<0.1
CF-SW-7	water	June 14	1.02
CF-SE-7	soil	June 14	21.1

FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: July 22, 1988  
Date Submitted: June 11- June 16, 1988  
Project: A-CF (Columbia Falls, Montana)

RESULTS OF ANALYSES OF ENVIRONMENTAL  
SAMPLES FOR FLUORIDE

<u>Sample #</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Fluoride (ppm)</u>
CF-SE-6	soil	June 14	<0.1
CF-SO-1B	soil	June 14	85.1
CF-TW-8	water	June 14	0.21
CF-PW-7	water	June 15	1.42
CF-TW-10	water	June 15	0.22
CF-TW-2	water	June 15	5.42
CF-TW-11	water	June 15	0.16
CF-TW-3	water	June 15	0.11

Quality Assurance

Method Blank		<0.1
CF-MW-1 (Duplicate)	<i>Original</i>	0.13
CF-SE-3 (Duplicate)		<1.4